

Claims

1. A pesticidal composition comprising (i) one or more essential oils selected from tagetes oil or a thymol containing
5 essential oil, or a mixture thereof, or components thereof which have insect repellent or deterrent properties, wherein the total amount of such oil or component present does not exceed 10%w/w; (ii) an agriculturally acceptable carrier oil and (iii) an emulsifier.
- 10 2. A pesticidal composition according to claim 1 which further comprises a compound which remediates symptoms of viral infection.
- 15 3. A pesticidal composition comprising (i) one or more essential oils selected from tagetes oil or a thymol containing essential oil, or a mixture thereof, or components thereof which have insect repellent or deterrent properties; (ii) an agriculturally acceptable carrier oil; (iii) an emulsifier; and
20 (iv) a compound which remediates symptoms of viral infection.
4. A composition according to claim 3 which contains no more than 10%w/w of component (i).
- 25 5. A composition according to any one of the preceding claims, which comprises no more than 5%w/w of component (i).
6. A composition according to claim 5, which contains no more than 1.5%w/w of component (i).
- 30 7. A composition according to any one of the preceding claims wherein component (i) is selected from tagetes oil or thyme oil, or a mixture thereof.

8. A composition according to claim 1 or claim 7 wherein component (i) comprises a mixture of tagetes oil and thyme oil, in ratios of from 3:1 to 1 : 3.
- 5 9. A composition according to any one of the preceding claims wherein component (ii) is selected from canola oil (OSR), sunflower oil, cottonseed oil, palm oil and soybean oil.
- 10 10. A composition according to any one of the preceding claims wherein the emulsifier is a natural organic emulsifier.
11. A composition according to any one of the preceding claims wherein the component (iii) is present in an amount of from 1 to 20%w/w.
- 15 12. A composition according to any one of the preceding claims which contains a compound which remediates symptoms of viral infection, and wherein said compound is a compound which reduces ethylene production.
- 20 13. A composition according to claim 12 wherein the said compound is salicyclic acid or esters thereof.
14. A composition according to claim 13 wherein the said
25 compound is methyl salicylate.
15. A composition according to any one of claims 12 to 14 wherein the said compound is contained within an essential oil.
- 30 16. A composition according to claim 15 wherein the essential oil is wintergreen oil.
17. A formulation for administration to plants, the formulation comprising a composition as claimed in any one of the preceding
35 claims, and water.

18. A method for killing or controlling insect pests which method comprises applying to the pests or to the locus thereof, a composition as claimed in any one of claims 1 to 16 or a formulation according to claim 17.

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19. A method according to claim 18 wherein the composition includes a compound, which remediates viral symptom infection, and so the treatment provides a combined pesticidal and viral symptom remediation effect.

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20. A method according to claim 18 or claim 19, wherein the composition or formulation is administered together with another insecticide or acaricide.

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21. A method according to any one of claims 18 to 20 wherein the composition is applied to a crop in an amount of less than 5 litres per hectare.

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22. A method according to claim 21 wherein the composition is applied to a crop in an amount of about 2 litres per hectare.

23. The use of a composition according to any one of claims 2 to 16 as a combined pesticidal/viral symptom remediation composition.

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24. The use of a composition according to any one of claims 1 to 16 or a formulation according to claim 17 as an adjuvant for an insecticide or acaricide.

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25. The use of a composition according to any one of claims 1 to 16 as an insecticide or acaricide, for administration to crops at a rate of less than 5 litres per hectare.